

amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, supra; which was ordered to lie on the table.

SA 4770. Ms. MURKOWSKI (for herself, Mr. KING, and Mr. SULLIVAN) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, supra; which was ordered to lie on the table.

SA 4771. Mr. HICKENLOOPER (for himself, Mr. CRAMER, Mr. KELLY, and Mr. MORAN) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, supra; which was ordered to lie on the table.

SA 4772. Mr. VAN HOLLEN (for himself and Mr. TILLIS) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, supra; which was ordered to lie on the table.

SA 4773. Mr. MARKEY submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, supra; which was ordered to lie on the table.

SA 4774. Mr. INHOFE submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, supra; which was ordered to lie on the table.

SA 4775. Mr. REED submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, supra; which was ordered to lie on the table.

SA 4776. Mr. PETERS (for himself, Mr. PORTMAN, and Mr. GRASSLEY) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, supra; which was ordered to lie on the table.

SA 4777. Mrs. FISCHER (for herself and Ms. KLOBUCHAR) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, supra; which was ordered to lie on the table.

SA 4778. Mr. BOOKER (for himself, Mr. CORNYN, Mr. COONS, Mr. PORTMAN, Mr. GRAHAM, and Mr. CARPER) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, supra; which was ordered to lie on the table.

SA 4779. Mr. PETERS (for himself, Mr. PORTMAN, and Mr. GRASSLEY) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, supra; which was ordered to lie on the table.

SA 4780. Mr. PETERS (for himself, Mr. PORTMAN, and Mr. GRASSLEY) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, supra; which was ordered to lie on the table.

SA 4781. Mr. RISCH submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, supra; which was ordered to lie on the table.

SA 4782. Mr. CORNYN (for himself, Mr. COONS, Mr. YOUNG, and Mr. LEAHY) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, supra; which was ordered to lie on the table.

TEXT OF AMENDMENTS

SA 4733. Mr. RUBIO (for himself, Ms. CANTWELL, Mrs. BLACKBURN, Ms. ROSEN, Ms. COLLINS, Ms. HASSAN, Mr. CRAPO, Mr. PETERS, and Mr. KING) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the end of subtitle G of title XII, add the following:

SECTION 1283. UNITED STATES-ISRAEL ARTIFICIAL INTELLIGENCE CENTER.

(a) **SHORT TITLE.**—This section may be cited as the “United States-Israel Artificial Intelligence Center Act”.

(b) **ESTABLISHMENT OF CENTER.**—The Secretary of State, in consultation with the Secretary of Commerce, the Director of the National Science Foundation, and the heads of other relevant Federal agencies, may establish the United States-Israel Artificial Intelligence Center (referred to in this section as the “Center”) in the United States.

(c) **PURPOSE.**—The purpose of the Center shall be to leverage the experience, knowledge, and expertise of institutions of higher education and private sector entities in the United States and Israel to develop more robust research and development cooperation in the areas of—

- (1) machine learning;
- (2) image classification;
- (3) object detection;
- (4) speech recognition;
- (5) natural language processing;
- (6) data labeling;
- (7) computer vision; and
- (8) model explainability and interpretability.

(d) **ARTIFICIAL INTELLIGENCE PRINCIPLES.**—In carrying out the purposes set forth in subsection (c), the Center shall adhere to the principles for the use of artificial intelligence in the Federal Government set forth in section 3 of Executive Order 13960 (85 Fed. Reg. 78939).

(e) **INTERNATIONAL PARTNERSHIPS.**—

(1) **IN GENERAL.**—The Secretary of State and the heads of other relevant Federal agencies, subject to the availability of appropriations, may enter into cooperative agreements supporting and enhancing dialogue and planning involving international partnerships between the Department of State or such agencies and the Government of Israel and its ministries, offices, and institutions.

(2) **FEDERAL SHARE.**—Not more than 50 percent of the costs of implementing the agreements entered into pursuant to paragraph (1) may be paid by the United States Government.

(f) **AUTHORIZATION OF APPROPRIATIONS.**—There is authorized to be appropriated for the Center \$10,000,000 for each of the fiscal years 2022 through 2026.

SA 4734. Ms. HASSAN (for herself and Mr. THUNE) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities

of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place in title II, insert the following:

SEC. 2. APPLICATION OF PUBLIC-PRIVATE TALENT EXCHANGE PROGRAMS IN THE DEPARTMENT OF DEFENSE TO QUANTUM INFORMATION SCIENCES AND TECHNOLOGY RESEARCH.

In carrying out section 1599g of title 10, United States Code, the Secretary of Defense may establish public-private exchange programs, each with up to 10 program participants, focused on private sector entities working on quantum information sciences and technology research applications.

SEC. 2. BRIEFING ON SCIENCE, MATHEMATICS, AND RESEARCH FOR TRANSFORMATION (SMART) DEFENSE EDUCATION PROGRAM.

Not later than three years after the date of the enactment of this Act, the Secretary of Defense shall provide Congress with a briefing on participation and use of the program under section 2192a of title 10, United States Code, as amended by this subsection, with a particular focus on levels of interest from students engaged in studying quantum fields.

SEC. 2. IMPROVEMENTS TO DEFENSE QUANTUM INFORMATION SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT PROGRAM.

(a) **FELLOWSHIP PROGRAM AUTHORIZED.**—Section 234 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232; 10 U.S.C. 2358 note) is amended—

- (1) by redesignating subsection (f) as subsection (g); and
- (2) by inserting after subsection (e) the following new subsection (f):

“(f) **FELLOWSHIPS.**—

“(1) **PROGRAM AUTHORIZED.**—In carrying out the program required by subsection (a) and subject to the availability of appropriations to carry out this subsection, the Secretary may carry out a program of fellowships in quantum information science and technology research and development for individuals who have a graduate or post-graduate degree.

“(2) **EQUAL ACCESS.**—In carrying out the program under paragraph (1), the Secretary may establish procedures to ensure that minority, geographically diverse, and economically disadvantaged students have equal access to fellowship opportunities under such program.”.

(b) **MULTIDISCIPLINARY PARTNERSHIPS WITH UNIVERSITIES.**—Such section is further amended—

- (1) by redesignating subsection (g), as redesignated by subsection (a)(1), as subsection (h); and

- (2) by inserting after subsection (f), as added by subsection (a)(2), the following new subsection (g):

“(g) **MULTIDISCIPLINARY PARTNERSHIPS WITH UNIVERSITIES.**—In carrying out the program under subsection (a), the Secretary of Defense may develop partnerships with universities to enable students to engage in multidisciplinary courses of study.”.

(c) **COMPTROLLER GENERAL OF THE UNITED STATES ASSESSMENT OF PROGRAM.**—

(1) **ASSESSMENT AND BRIEFING.**—Not later than 180 days after the date of the enactment of this Act, the Comptroller General of the United States shall—

- (A) commence an assessment of the program carried out under section 234 of the